METHOD AND APPARATUS FOR OPEN INTERNET SECURITY FOR MOBILE WIRELESS DEVICES

CLAIMS

1. A method for open Internet security for mobile wireless devices comprising the steps of:

providing a mobile wireless device with capabilities, including the capability to connect to the Internet via a wireless communication network at least in part controlled by a wireless network service provider; and,

providing the mobile wireless device with a USIM controlled by the wireless service provider, wherein the USIM is programmed to selectively enable certain capabilities of the mobile wireless device and control access to the Internet.

2. The method of claim 1, wherein the control of access to the Internet is regulated by the USIM according to predetermined criteria.

3. The method of claim 2, wherein the predetermined criteria restricts access to a list of approved Internet web sites.

4. The method of claim 2, wherein the predetermined criteria restricts access to a list of approved web pages.

5. The method of claim 2, wherein the predetermined criteria restricts access to approved Internet services.

6. The method of claim 2, wherein the predetermined criteria restricts access to approved Internet products.

7. The method of claim 2, further comprising the step of providing an intermediate proxy service between Internet content, service and product providers that qualifies the content of the transmissions of the Internet content, service and product providers to the subscribers of the wireless network service providers and stamps the content of the transmission with a content identifier;

categorizing the content identifiers into different classes; and,

programming the USIM of a subscriber to allow access to only predetermined classes.

8. The method of claim 7, wherein the content identifiers are categorized in different levels and wherein the USIM of the subscriber allows access to selected levels according to a subscriber plan.

9. The method of claim 8, wherein the charges for different levels are different and the access to selected levels is provided according to the level of service provided in the subscriber plan.

10. The method of claim 7, comprising the further step of analyzing the transaction events for a selected subscriber USIM and accounting for transmissions allowed to the subscriber by the subscriber's USIM.

11. A mobile wireless device, operable in a wireless communication network at least in part controlled by a wireless network service provider that provides wireless network services to subscribers, comprising:

a mobile wireless terminal having electronics capable of communicating in the wireless communication network and capable of connecting to the Internet; and,

a removable circuit card installable in the mobile wireless terminal, the removable circuit card being controlled by the wireless network service provider, wherein the removable circuit card is provided to a subscriber of the service provider and defines the subscriber's access to the service provider's wireless communication network and to the Internet through the service provider's wireless communication when the circuit card is installed in the mobile wireless terminal.

12. The mobile wireless device of claim 11, wherein the removable circuit card comprises a USIM.

13. The mobile wireless device of claim 11, wherein the removable circuit card is programmed to selectively control access to the Internet.

14. The mobile wireless device of claim 11, wherein the removable circuit card is programmed to process content identifiers for blocking access to Internet content having certain predesignated content identifiers, wherein the content identifiers are established by a proxy in association with the service provider.